

**M e m o r a n d u m**

**Date :** June 29, 2000  
**Telephone:** ATSS ( )  
(916) 654-4996

**File** Potrero

**To :** William J. Keese, Chairman  
Michal C. Moore, Commissioner  
Robert A. Laurie, Commissioner  
Robert Pernell, Commissioner  
Art Rosenfeld, Commissioner

**From :** California Energy Commission -  
1516 Ninth Street  
Sacramento, CA 95814-5512

**Subject :** DATA ADEQUACY RECOMMENDATION FOR THE POTRERO POWER PLANT UNIT  
7 PROJECT - (00-AFC-4)

The staff has completed its data adequacy review of the Potrero Power Plant Unit 7 Application for Certification submitted on May 31, 2000. I have determined that the AFC does not contain all the information required by Cal. Code of Regs., tit. 20, § 1704, Appendix B. Attachment A contains an overview of whether each technical discipline evaluated is adequate or inadequate. Attachment B contains staff's detailed data adequacy worksheets that describe staff's findings for each information requirement that is inadequate.

Attachment C contains the City and County of San Francisco's comments that were provided to staff. Staff have reviewed the comments and determined that they do not address data inadequacies but are relevant comments that will be addressed during the discovery and analysis phases of the AFC proceeding.

At the Energy Commission's business meeting on July 12, 2000, I will be recommending that the Energy Commission not accept the AFC until all the additional information specified in Attachment B is supplied. Pursuant to Cal. Code of Regs., tit. 20, § 1709 (c), if the Energy Commission accepts my recommendation, the Energy Commission shall indicate, in writing, those parts of the AFC which fail to meet the information requirements and the manner in which it can be made complete.

If you have any questions, please call Marc Pryor, staff's Project Manager, at (916) 653-0159.

STEVE LARSON  
Executive Director

**Attachments**

cc: Emilio E. Varanini, Counsel to Applicant  
John McKinsey, Counsel to Applicant  
Robert A. Hayes, VP, Southern Energy Potrero, LLC

## ATTACHMENT A

### OVERVIEW OF ENERGY COMMISSION STAFF'S DATA ADEQUACY DETERMINATION

#### Elk Hills Power Project 99-AFC-1

TECHNICAL AREA	ADEQUATE	INADEQUATE	Attachment B Page
1. Air Quality		X	<b>B-1</b>
2. Alternatives	X		B-6
3. Biological Resources		X	<b>B-7</b>
4. Cultural Resources		X	<b>B-12</b>
5. Facility Design		X	<b>B-15</b>
6. Geological Hazards	X		B-18
7. Hazardous Materials Handling	X		B-20
8. Land Use	X		B-22
9. Noise		X	<b>B-25</b>
10. Paleontological Resources		X	<b>B-28</b>
11. Power Plant Efficiency	X	.	B-31
12. Power Plant Reliability	X		B-33
13. Project Overview		X	<b>B-35</b>
14. Public Health	X		B-39
15. Socioeconomics	X		B-41
16. Soil Resources	X		B-45
17. Traffic & Transportation	X		B-47
18. Transmission Reliability, Safety & Health	X		B-50
19. Visual Resources		X	<b>B-53</b>
20. Waste Management	X		B-56
21. Water Resources		X	<b>B-59</b>
22. Worker Safety & Fire Protection	X		B-63

## **ATTACHMENT B**

### **ENERGY COMMISSION STAFF'S List of Data Inadequacies**

#### **Potrero Power Plant Unit 7 Project 00-AFC-4**

June 29, 2000

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X **DATA ADEQUACY WORKSHEET** Revision No. 0 Date June 15, 2000

Technical Area: Air Quality Project: Potrero Power Plant Unit 7 Technical Staff: Keith Golden

Project Manager: Marc Pryor Docket: 00-AFC-4 Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	p. 2-25, Sec. 2.2.14 p. 2-17, Sec. 2.2.10.3 p. 8.1-7, Sec. 8.1.2.3 p. 8.1-12, Sec. 8.1.2.4 p. 8.1-17, Sec. 8.1.4 p. 8.1-29, Sec. 8.1.5.10.2	YES	
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.		NO	Expecting the District's completeness letter no later than July 1, 2000.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	p. 1-3, Sec. 1.4 p. 2-4, Sec. 2.2.3.2 p. 2-8, Sec. 2.2.5.2 p. 3-8, Sec. 3.2.5 p. 8.1-47	NO	Please provide the chemical characteristics of the natural gas fuel.
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	p. 2-16, Sec. 2.2.10 p. 8.1-29, Sec. 8.1.5.10.2	YES	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	p. 2-10, Sec. 2.2.6.2 p. 2-11, Sec. 2.2.7	YES	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	p. 8.1-6, Sec. 8.1.2.2 p. 8.1-44,45	YES	
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	p. 8.1-6, Sec. 8.1.2.2 p. 8.1-44, 45, 46	YES	

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Project Manager: Marc Pryor Docket: 00-AFC-4 Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	p. 8.1-3, Sec. 8.1.1.2 p. 8.1-40 & 41	YES	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	p. 8.1-2, Sec. 8.1.1.1 p. 8.1-39 Appendices F1, F2, F3, F4	YES	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)		N/A	
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	p. 8.1-2, Sec. 8.1.1.1 p. 8.1-39 Appendix F	YES	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 15, 2000

Technical Area: Air Quality

Project: Potrero Power Plant Unit 7

Technical Staff: Keith Golden

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM <sub>10</sub> ) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO <sub>x</sub> ), sulfur dioxide (SO <sub>2</sub> ), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM <sub>10</sub> )] from construction-related equipment;	p. 8.1-4, Sec. 8.1.2.1 Sec. 8.1.2.1.2 p. 8.1-43 p. 8.1-10, Sec. 8.1.2.3 p. 8.1-46 p. 8.1-13, Sec. 8.1.2.4 p. 8.1-49 Appendix F	YES	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO <sub>x</sub> , SO <sub>2</sub> , CO and PM <sub>10</sub> ) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	p. 8.1-11, Sec. 8.1.2.3 p. 8.1-49 thru 54 p. 8.1.14, Sec. 8.1.2.5 Appendix F	YES	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	p. 8.1-17, Sec. 8.1.3	YES	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:			

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	p. 8.1-17, Sec. 8.14	YES	
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	p. 8.1-18, Sec. 8.1-4 Confidential filing	NO	Please explicitly describe the status of negotiations with the offset sources identified in the confidential filing. (Staff also notices that many of the potential offsets identified for Potrero are the same as the offsets being identified for the Contra Costa Project. Does this list contain enough potential offset sources for both projects?)
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	p. 8.1-18, Sec. 8.1-4 Confidential filing	NO	See above
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Maps 8.1-1 & 8.6-1	NO	Please provide a 1:24000 map that has clear topographic coutours and that extends to at least 6 miles from the power plant site.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	p. 8.1-19, Sec. 8.1.5 p. 8.1-55	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	p. 8.1-55	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	p. 8.1-19, Sec. 8.1.5	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 15, 2000

Technical Area: Air Quality

Project: Potrero Power Plant Unit 7

Technical Staff: Keith Golden

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	p. 8.1-35, Sec. 8.1.6	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	p. 8.1-35, Sec. 8.1.7	YES	



Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 2, 2000

Technical Area: Alternatives

Project: Protrero Power Plant Unit 7

Technical Staff: M. Pryor

Project Manager: \_\_\_\_\_

Docket: 00-AFC-4

Technical Senior: R. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	Throughout	YES	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	Section 9.0	YES	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	Section 9.0	YES	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Site conditions: Sec. 8.2.1.2, pgs. 8.2-2, 3	YES	<p>1. Provide a description and map of the intertidal and benthic substrates covered by the area of the existing maximum thermal plume (under all tidal conditions) and describe the aquatic communities occurring there. Provide the same information for the thermal plume area that would be discharged by the new facility under peak and normal operating capacity.</p> <p>2. For state and federally listed species and commercial and recreational aquatic resources (Appendix G and H) identify those aquatic resources (e.g. salmonids, tidewater goby, clam beds, spawning areas) that occur within the influence of the proposed thermal discharge from the Potrero facility.</p> <p>3. With the exception of the Pacific herring data, the aquatic biological resource information for the bay appears to be historical data. Provide current sampling data to describe the existing aquatic biological resources and to determine the appropriateness of using the historical aquatic biological resources data provided in Appendices G and H of the AFC.</p> <p>4. Identify impacts to the existing aquatic biological resources from current operation of the Potrero facility.</p> <p>5. For the historical aquatic biological resource data, provide the normal operational capacity of Potrero and Hunters Point power plants during the time of the various studies. Provide the normal and peak operational capacity (by month) for both facilities for the past two years.</p> <p>6. For Potrero and Hunters Point historical aquatic biological resource data, please convert the historical data to reflect what the current impacts would be under normal operating capacity. Identify the normal and peak operating capacity at Potrero that is used in your assessment of the new facility's aquatic resource impacts.</p> <p>7. Provide a discussion of the Unit 7 project specific and regional cumulative impacts on the aquatic biological resources from impingement, entrainment, and the thermal plume discharge.</p>
		Impacts discussion: Sec. 8.2.2, pgs. 8.2-8 to 8.2-19	NO	
		Mitigation: Sec. 8.2.4	YES	
		Monitoring: Sec. 8.2.4	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X**DATA ADEQUACY WORKSHEET**Revision No. 0 Date June 29, 2000Technical Area: Biological ResourcesProject: Potrero Power Plant Unit 7Technical Staff: Rick YorkProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project, and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Regional overview: Sec. 8.2.1.1, pgs. 8.2-1, 2  1:100,000 (or suitable scale) map: Figure 8.2-1	NO  YES	Identify the biological resources found in the region of the outfall. Identify any state or federally listed species found in the area of the project's intake or outfall.
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	Detailed map: Map 8.2-1  Lists of species seen and those expected to occur in the project area: Sec. 8.2, Tables 8.2-1 & 8.2-2, pg. 8.2-22	YES  NO	See requirements for Appendix B(g) (1) above.
Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Study description: Sec. 8.2.1.3, pgs. 8.2-3, 4  CNDDDB forms: Appendix H  Names/qualifications of those completing studies: Sec. 8.2.1.3, pg. 8.2-3	NO  YES  YES	See requirements for Appendix B(g) (1) above.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X**DATA ADEQUACY WORKSHEET**Revision No. 0 Date June 29, 2000Technical Area: Biological ResourcesProject: Potrero Power Plant Unit 7Technical Staff: Rick YorkProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Permanent/temporary impacts discussion: Sec. 8.2.1.3, pgs. 8.2-3, 4  Cooling tower drift study: No cooling towers are proposed for this project  Once-through cooling discussion: Appendix G and Sec. 8.2.1.6, pgs. 8.2-5, 6 and Sec. 8.2.2.2.1, pgs. 8.2-11 to 8.2-17	NO  YES  NO	See requirements for Appendix B(g) (1) above.    Provide a table showing the anticipated maximum possible, normal operation, and minimal pumping flows for the new intake.  Provide a table showing historic Unit 3 intake flows compared to proposed Unit 7 flows.  Provide a summary of any historic entrainment and impingement study results for Unit 3.  Provide a discussion of the new intake design/operation and any negative or positive impacts to biological resources.  Provide a discussion of how biofouling will be controlled for the new cooling intake structure and any potential impacts to biological resources at the outfall.  Describe the existing thermal plume at the current outfall and its biological resource impacts.
Appendix B (g) (13) (E)	A discussion of the following:	--	--	--
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Adverse impacts avoidance measures: Sec. 8.2-4, pg. 8.2-19	YES	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Off-site habitat compensation:	NO	Provide a discussion of whether habitat compensation may be necessary for the proposed project.

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	No worker awareness training proposed.	Not Applicable	
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Compliance monitoring: Sec. 8.2-4, pg. 8.2-19	YES	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Native fish & wildlife of commercial and/or recreational value: Appendix G	YES	
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:	--	--	--
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;		NO	Provide a table that identifies the state and federally listed species that occur in the project region and a discussion of whether the project will impact each species.
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and		NO	See previous comment.
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.		NO	See previous comment.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS table: Table 8.2-3, pgs. 8.2-23 to 8.2-25	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 29, 2000

Technical Area: Biological Resources

Project: Potrero Power Plant Unit 7

Technical Staff: Rick York

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Agency contacts table: Sec. 8.2.6, pgs. 8.2-19, 20	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	LORS conformity: Table 8.2-3, pgs. 8.2-23 to 25	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Agency contacts: Sec. 8.2.6, pgs. 8.2-19, 20	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Permit schedule: Sec. 8.2.7, pgs. 8.2-20, 21	YES	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Vol I p. 8.3-2 AFC Vol I p. 8.2-1 AFC Vol I p. 8.2-1  AFC Vol I p. 8.3-13 AFC Vol I p. 8.3-13 & 14	NO	Please provide a discussion of the expected indirect impacts due to the construction, operation and maintenance of the project.
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC Vol I p. 8.3-2 to 8.3-9  AFC Vol I Fig. 8.3-2	YES	
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	AFC Vol I p. 8.3-9, 8.3-10  AFC Vol I p.8.3-11  AFC Vol I p. 8.3-11	NO	Page 8.3-11 indicates that the project site and proposed transmission line route were surveyed using 20 meter wide parallel transects. Page 8.3-13 states that no cultural resources were identified in the Area of Potential Effect (APE), as determined in the Wirth Associates Reports 1979a & 1979b. Please clarify the boundaries of the project site and transmission line APE and indicate how many feet the survey extended on each side of the proposed center line of the transmission route.  Please clarify whether the literature and records search was confined to the project APE. If it was not confined to the APE, indicate the boundaries.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X**DATA ADEQUACY WORKSHEET**Revision No. 1 Date June 13, 2000Technical Area: Cultural ResourcesProject: Potrero Power Plant Unit 7Technical Staff: Dorothy TorresProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	AFC Vol I p. 8.3-12  Confidential cultural resource filing submitted with AFC.	YES	
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	AFC Vol II Appendix J  AFC Vol I p. 8.3-11	YES	
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	AFC Vol I p. 8.3-13  AFC Vol I p. 8.3-13  AFC Vol I p. 8.3-13	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Vol I p. 8.3-16	NO	Please identify local laws, regulations, ordinances and standards (LORS) and permits applicable to the proposed project and explicitly reference pages or subsections in the application wherein conformance with each law or standard during both construction and operation of the facility is discussed.



SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Vol I p. 8.3-16	NO	Please identify any local agency with the jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Vol I p. 8.3-15	NO	Provide a discussion of the conformity of the project with applicable local LORS.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Vol I p. 8.3-16	NO	Please provide the name, title, phone number, and address, if known, of any local officials who will serve as contacts.  Please provide the name, address, title and phone number of a contact with the Army Corps of Engineers, in the event a Section 404 permit is obtained.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Vol I p. 8.3-16	NO	Please provide a schedule describing the steps the applicant will take to obtain a Section 404 permit. Please also describe the steps that will be taken to ensure compliance with Section 106 requirements after the permit is obtained.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 12, 2000

Technical Area: Facility Design

Project: Potrero Power Plant Unit 7

Technical Staff: Kisabuli

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g)(1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 2.1, 2.2, 2.3, 2.4.6 and 8.15; Appendices C, D and E	YES	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Page 8.14-10, Section 8.14.1.3; Page 8.14-20, Section 8.14.2.4	YES	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Page 8.14-5, Section 8.14.1.2.6	NO	Please submit a grading and drainage plan for the proposed project. Please indicate how the subsurface water run-on will be addressed and clarify the disposition of the surface water run-off.
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.		NO	Please include design criteria used for revising the Potrero Power Plant surface water drainage system with respect to the proposed project.
Appendix B (g) (14) (E) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.		NO	Please clarify if surface water run-off from the project will impact neighboring sites or be discharged directly into the San Francisco Bay.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.	Section 10 and Table 10-1	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 12, 2000

Technical Area: Facility Design

Project: Potrero Power Plant Unit 7

Technical Staff: Kisabuli

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 10 and Table 10-1	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 10 and Table 10-1	YES	
Appendix B (h) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		NO	Please provide names, titles, phone numbers, and addresses of officials within each agency who will serve as a contact person for the agency
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 10 and Table 10-1	YES	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	Section 8.15; Appendix D	YES	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Section 8.15 and Appendices D, E1 and E2	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 12, 2000

Technical Area: Facility Design

Project: Potrero Power Plant Unit 7

Technical Staff: Kisabuli

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	Section 8.15, Appendices E1, E2 and E7	YES	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:			
Appendix B (i) (1) (D) (i)	The power generation system;	Section 2.2.3, Appendix E, Section E3	YES	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	Section 2.2.7	YES	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	Section 2.2.6	YES	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	Sections 2.2.3, 2.2.10, 8.1	YES	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Section 2.2.8	YES	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	-N/A-		
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	Sections 2.2.4, 5.0	YES	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Section 2.2.4, 5; Section E3 of Appendix E	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 7, 2000

Technical Area: **Geological Hazards**

Project: Potrero Power Plant Unit 7

Technical Staff: Bob Anderson

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 8.15-7 Section 8.15.1.4 through Page 8.15-9, Section 8.15.1.4.2  Page 8.15-13, Section 8.15.2 through Page 8.15-15, Section 8.15.4.6	YES	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Page 8.15-1 Section 8.15.1.1 through Page 8,15-14, Section 8.15.2.2	YES	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Map 8.15-1  Page 8.15-7, Section 8.15.1.4 through Page 8.15-12, Section 8.15.1.5.6	YES	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Map 8.15-1  Page 8.15-12, Section 8.15.1.6 through Page 8.15.13, Section 8.15.1.6.3	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.15-2	YES	

Adequacy Issue: Adequate ☒ Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 7, 2000

Technical Area: **Geological Hazards**

Project: Potrero Power Plant Unit 7

Technical Staff: Bob Anderson

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Pages 8.15-16 and 17, Section 8.15.6 (unnumbered table)	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 8.15-16, Section 8.15.5 through 8.15.5.3	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Pages 8.15-16 and 17, Section 8.15.6 (unnumbered table)	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐ **DATA ADEQUACY WORKSHEET** Revision No. \_\_\_\_\_ Date June 12, 2000

Technical Area: Hazardous Materials Handling Project: Potrero Power Plant Unit 7 Technical Staff: Rick Tyler

Project Manager: Marc Pryor Docket: 00-AFC-4 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.12	YES	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 8.12-2	YES	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Map 8.6-1	YES	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Table 8.12-2 Section 8.12.2.2.1	YES	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Section 8.12.2.2.3 Table 8.12.5	YES	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 8.12 Page 8.12-1	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐ **DATA ADEQUACY WORKSHEET** Revision No. \_\_\_\_\_ Date June 12, 2000

Technical Area: Hazardous Materials Handling Project: Potrero Power Plant Unit 7 Technical Staff: Rick Tyler

Project Manager: Marc Pryor Docket: 00-AFC-4 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 8.12 and Section 8.12.5	YES	
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 8.12.3	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 8.12.6 and Table 8.12-6	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.12.7	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.12	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.12-6	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.12.8	YES	



Adequacy Issue: Adequate ☒ Inadequate

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 12, 2000

Technical Area: Land Use

Project: Potrero Power Plant Unit 7

Technical Staff: David Flores

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC pg. 8.11-5 through 7, Section 8.11.1.4 AFC pg. 8.4-10 & 11, Section 8.4.2.3 AFC pg.8.4.6 through 8, Section 8.4.1.3.3 Section 8.4.2	YES	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	AFC pg. 8.4-3 through 5, Section 8.4.1.2 AFC pg. 8.4-17 through 19, Table 8.4-1 through 3 Figure 8.4-1 AFC pg. 8.4-6, Section 8.4.1.2.3	YES	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	AFC pg.8.4-5, Section 8.4.1.2.1 Figure 8.4.4 Table 8.4-2	YES	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	AFC pg. 8.4-3, Section 8.4.1.1.2	YES	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	AFC pg. 8.4-3 through 5, Section 8.4.1.2	YES	
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figure 8.4-1 through Figure 8.4-4	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 12, 2000

Technical Area: Land Use  
Project Manager: Marc Pryor

Project: Potrero Power Plant Unit 7  
Docket: 00-AFC-4

Technical Staff: David Flores  
Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	AFC pg. 8.4-10 & 11 Section 8.4.2.3	YES	
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	AFC pg. 8.4-11, Section 8.4.2.3 <b>Note: No agricultural land uses in the project area.</b>	YES	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	AFC pg. 8.4-11, Section 8.4.2.3 <b>Note: No agricultural land uses in the project area.</b>	YES	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	AFC pg. 8.4-11, Section 8.4.2.3 <b>Note: No agricultural land uses in the project area.</b>	YES	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	AFC pg. 8.4-11, Section 8.4.2.3 <b>Note: No agricultural land uses in the project area.</b>	YES	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	AFC pg. 8.4-11, Section 8.4.2.3 <b>Note: No agricultural land uses in the project area.</b>	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 12, 2000

Technical Area: Land UseProject: Potrero Power Plant Unit 7Technical Staff: David FloresProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC pg. 8.4-23, Table 8.4-6	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC pg. 8.4-15, Section 8.4.7	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg.8.4-11 through 13, Section 8.4.2.4	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC pg. 8.4-14, Section 8.4.6	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC pg.8.4-15, Section 8.4.7	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X**DATA ADEQUACY WORKSHEET**Revision No. 0 Date June 7, 2000Technical Area: NoiseProject: Potrero Power Plant Unit 7Technical Staff: KisabuliProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.5, 1.8, 2.1, 2.2.1, 2.2.14; Chapter 8.5; Appendix I	YES	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Figures 8.5-1, 8.6-1	YES	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in $L_{eq}$ (equivalent sound or noise level), $L_{dn}$ (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The $L_{10}$ , $L_{50}$ , and $L_{90}$ values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	§ 8.5.1.1; Tables 8.5-1, 8.5-2, 8.5-3	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 7, 2000

Technical Area: Noise

Project: Potrero Power Plant Unit 7

Technical Staff: Kisabuli

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	§§ 8.5.2.2.1, 8.5.2.2.2; Table 8.5-5; Figure 8.5-2	YES	
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	§§ 8.5.2.1.1, 8.5.2.1.2, 8.5.2.2.1, 8.5.2.2.2; Tables 8.5-5, 8.5-6	YES	
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	§ 8.5.2.2.1, 8.5.5	YES	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	§§ 8.5.2.2.2; Tables 8.5-1, 8.5-2, 8.5-3	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Tables 8.5-7, 8.5-8	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 7, 2000

Technical Area: Noise

Project: Potrero Power Plant Unit 7

Technical Staff: Kisabuli

Project Manager: Marc Pryor

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Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Not Found	NO	Submit a table listing the agencies responsible for administering the pertinent local LORS, including the San Francisco Municipal Code and the General Plan Noise Element.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§§ 1.8, 2.2.1, 8.5.2.1.1, 8.5.2.1.2, 8.5.2.2.1	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Not Found	NO	Please include contact information in the response to Item App. B (h)(1)(B) above.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		Not Applicable	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X **DATA ADEQUACY WORKSHEET** Revision No. 0 Date June 7, 2000

Technical Area: Paleontological Resources Project: Potrero Power Plant Unit 7 Technical Staff: Robert Anderson

Project Manager: Marc Pryor Docket: 00-AFC-04 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page P-4, Section P1.3 Page P-7, Section P2.3 Page 8.16-4, Section 8.16.2 through Page 8.16-7, Section 8.16.4	YES	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Page 8.15-1, Section 8.15.1 Page 8.15-7 Section 8.15.1.4 through Page 8.15-9, Section 8.15.1.4.2 Page 8.16-2, Section 8.16.1.1	YES	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Pages 8.16-3 and 8.16-4, Section 8.16.1.2 Pages P-7 and P-8, Section P2.3	YES	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Page P-4, Section P1.2	NO	No summary or description of the paleontological resources literature search is provided. Please include a discussion regarding the literature sources reviewed for the assessment of paleontological resources at or nearby the proposed project.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X **DATA ADEQUACY WORKSHEET** Revision No. 0 Date June 7, 2000  
 Technical Area: Paleontological Resources Project: Potrero Power Plant Unit 7 Technical Staff: Robert Anderson  
 Project Manager: Marc Pryor Docket: 00-AFC-04 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Figure P-1	NO	The 1:24,000 map should either have locations of known paleontological resources located on it or a statement that there are no known paleontological resources in the vicinity of the proposed power plant project and related underground electric transmission line.
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Not Proposed	Not Applicable	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 8.16-9, Table 8.16-1	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		Not Applicable	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X **DATA ADEQUACY WORKSHEET** Revision No. 0 Date June 7, 2000

Technical Area: Paleontological Project: Potrero Power Plant Unit 7 Technical Staff: Robert Anderson

Project Manager: Marc Pryor Docket: 00-AFC-04 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 8.16-7, Section 8.16.5	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 8.16-7, Section 8.16.6 (unnumbered table)	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not Applicable	Not Applicable	

Adequacy Issue: Adequate X Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 7, 2000

Technical Area: Power Plant Efficiency

Project: Potrero Power Plant Unit 7

Technical Staff: Steve Baker

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.2, 1.3, 1.4, 1.7, 2.1, 2.2.1, 2.2.2, 2.2.3.1, 2.2.3.2, 2.2.3.3, 2.2.3.4, 2.2.5, 2.2.5.1, 2.2.5.2, 2.2.6.2, 2.2.7, 2.2.7.1, 2.2.7.2, 2.3.1.2, 2.4.3, 2.4.4; Tables 2-1, 2-3, 2-14; Figure 2-4; §§ 4.1, 4.2, 6.0, 9.2, 9.8, 9.9, 9.10; Tables 9-5, 9-6	YES	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	§ 2.2.2; Figure 2-4; Tables 2-1, 2-3	YES	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§ 2.2.5.2; Table 2-3	YES	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§§ 1.4, 2.2.2, 2.4.1	YES	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 1.4, 2.2.2, 2.4.1	YES	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§§ 1.7, 9.8, 9.9, 9.10; Tables 9-5, 9-6	YES	

Adequacy Issue: Adequate ☒ Inadequate

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 7, 2000

Technical Area: Power Plant Efficiency

Project: Potrero Power Plant Unit 7

Technical Staff: Steve Baker

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		Not Applicable	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		Not Applicable	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		Not Applicable	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Not Applicable	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		Not Applicable	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 7, 2000

Technical Area: Power Plant ReliabilityProject: Potrero Power Plant Unit 7Technical Staff: Steve BakerProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.2, 1.3, 1.4, 1.7, 1.9, 2.1, 2.2.1, 2.2.2, 2.2.3.1, 2.2.3.2, 2.2.3.3, 2.2.3.4, 2.2.4.3, 2.2.5, 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.4, 2.2.7, 2.2.12.1, 2.3.1, 2.4.1, 2.4.2, 2.4.3, 2.4.4, 2.4.5, 2.4.6; Tables 2-3, 2-19; Chapter 3; §§ 6.0, 7.0, 7.1, 7.2, 7.2.1, 9.2, 9.8, 9.9, 9.10; Tables 9-5, 9-6	YES	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 1.2, 1.7, 2.2.5, 2.2.5.1, 2.4.4, 6.0, 9.2	YES	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	§§ 1.9, 4.2	—	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 1.4, 2.2.2, 2.4.1, 9.2	YES	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 1.2, 1.4, 1.8, 2.1, 2.2.2, 2.4.1, 9.2, 9.8	YES	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.3, 2.2.3.4, 2.2.6, 2.2.6.2, 2.3.1, 2.4.5; Table 10-1; Appendix E	YES	
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 1.2, 1.4, 2.2.2, 2.2.4.3, 2.2.5.1, 2.2.7.1, 2.2.12.1, 2.4.3, 2.4.6; Table 2-19; § 7.2.1	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 7, 2000

Technical Area: Power Plant ReliabilityProject: Potrero Power Plant Unit 7Technical Staff: Steve BakerProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	§ 2.4.1	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		Not Applicable	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		Not Applicable	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		Not Applicable	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Not Applicable	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		Not Applicable	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X**DATA ADEQUACY WORKSHEET**Revision No. 0 Date June 2, 2000Technical Area: Project OverviewProject: Potrero Power Plant Unit 7Technical Staff: M. PryorProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: R. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Throughout	YES	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Throughout	YES	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Throughout	YES	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Throughout	YES	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Sections 1.0 and 2.0	YES	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.		NO	Provide the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Sections 1.0, 2.0 and 8.4	YES	
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Section 1.0	YES	

Adequacy Issue: Adequate ☐ Inadequate ☒**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 2, 2000

Technical Area: Project OverviewProject: Potrero Power Plant Unit 7Technical Staff: M. PryorProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: R. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix K	YES	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Sections 1.0 and 2.0	YES	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Sections 1.0 and 2.0	YES	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Sections 1.0 and 2.0	YES	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Sections 1.0 and 2.0	YES	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;		NO	Provide maps noted under "Information".
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Section 2.0	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X**DATA ADEQUACY WORKSHEET**Revision No. 0 Date June 2, 2000Technical Area: Project OverviewProject: Potrero Power Plant Unit 7Technical Staff: M. PryorProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: R. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Throughout	YES	
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).		NO	Provide maps noted under "Information".
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.		NO	Provide photograhic reproductions noted under "Information".
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.		<b>Not Applicable</b>	
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.		<b>Not Applicable</b>	
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.		<b>Not Applicable</b>	



Adequacy Issue: Adequate ☐ Inadequate ☒

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 2, 2000

Technical Area: Project Overview

Project: Potrero Power Plant Unit 7

Technical Staff: M. Pryor

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: R. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 4.0	YES	

Adequacy Issue: Adequate ☒ Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 8, 2000

Technical Area: Public Health

Project: Potrero Power Plant Unit 7

Technical Staff: Obed Odoemelam

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Greg Newhouse

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.6, pages 8.6-2, through 8.6-6. Section 8.8, pages 8.8-8 and 8.8-9. Section 8.8, pages 8.8-19 through 8.8-23.	YES	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Section 8.6, pages 8.6-14 and 8.6-15.	YES	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Section 8.6, pages 8.6-2 through 8.6-6.	YES	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Section 8.6, page 8.6-17	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 8, 2000

Technical Area: Public HealthProject: Potrero Power Plant Unit 7Technical Staff: Obed OdoemelamProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Greg Newhouse

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Section 8.6, page 8.6-17	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 8.6, page 8.6-16	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.6, page 8.6-16	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.6, pages 8.6-10 through 8.6-12.	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Not Applicable	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.6, page 8.6-12.	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 6, 2000

Technical Area: SocioeconomicsProject: Potrero Power Plant Unit 7Technical Staff: Amanda StennickProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.8	YES	
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	Section 8.8.1.1 through 8.8.1.1.4 Figure 8.8-1	YES	
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Sections 8.8.1.1.1 through 8.8.1.1.4; 8.8.1.4 Tables 8.8-6,-7	YES	
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Sections 8.8.1.2.1 through 8.8.1.2.4 Table 8.8-4	YES	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Section 8.8.1.1.1 Tables 8.8-1,-2	YES	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Section 8.8.2.2 Table 8.8-1	YES	
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Section 8.8.1.2.1 Table 8.8-5	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 6, 2000

Technical Area: SocioeconomicsProject: Potrero Power Plant Unit 7Technical Staff: Amanda StennickProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	Sections 8.8.1.3.1 through 8.8.1.3.5	YES	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	See below	YES	
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Section 8.8.2.2 Tables 8.8-8,-9	YES	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Section 8.8.2.2	YES	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Section 8.8.2.3	YES	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Section 8.8.2.3	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 6, 2000

Technical Area: SocioeconomicsProject: Potrero Power Plant Unit 7Technical Staff: Amanda StennickProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	Section 8.8.2.4	YES	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Section 8.8.2.4	YES	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	Section 8.8.2.2	YES	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Section 8.8.2.2 Tables 8.8-10,-11	YES	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Sections 8.8.1.4; 8.8.2.2 Table 8.8-7	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sections 8.8.6; 8.8.8	YES	

Adequacy Issue: Adequate ☒ Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 6, 2000

Technical Area: Socioeconomics

Project: Potrero Power Plant Unit 7

Technical Staff: Amanda Stennick

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.8.6	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.8.6	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sections 8.8.7; 8.8.9	YES	
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 15, 2000

Technical Area: Soil ResourcesProject: Potrero Power Plant Unit 7Technical Staff: Joe O'HaganProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 2-26 to 2-27 and 8.9-1 to 8.9-5; Appendix D	YES	
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Figure 8.9-1	YES	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Page 8.9-2	YES	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Page 8.9-2	YES	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	Pages 8.9-3 to 8.9-4	YES	
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Page 8.9-2	YES	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Page 8.9-4	YES	



Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 15, 2000

Technical Area: Soil ResourcesProject: Potrero Power Plant Unit 7Technical Staff: Joe O'HaganProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 8.9-7	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 8.9-7	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 8.9-5 to 8.9-6	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 8.9-7	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Page 8.9-7	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 12, 2000

Technical Area: **Traffic and  
Transportation**

Project: Potrero Power Plant Unit 7

Technical Staff: David Flores

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC pg. 8.10-1 & 2, Section 8.10.1  AFC pg. 8.10-20 Section 8.10.3  AFC pg. 8.10-21 through 25, Section 8.10.4	YES	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	AFC Figure 8.10-1  AFC pg. 8.10-25 &26 Section 8.10.5	YES	
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	AFC Figure 8.10-2 AFC pg. 8.10-2 through 8.10-11, Section 8.10.1.2.1, through 3 Section 8.10.1.3	YES	
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	AFC pg. 8.10-11 through 16, Section 8.10.2.1 & 8.10.2.2	YES	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	AFC pg.8.10-1, Table 8.10- 1, AFC pg. 8.10-2 through 5, Section 8.10.1.2.1 & 2	YES	
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	AFC pg. 8.10-13 through 20, Section 8.10.2.2 through 8.10.2.3, AFC pg. 8.10-30, Table 8.10-4 AFC pg. 8.10-31, Table 8.10-6	YES	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	AFC pg.8.10-9& 10, Section 8.10.1.2.3	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 12, 2000

Technical Area: **Traffic and  
Transportation**

Project: Potrero Power Plant Unit 7

Technical Staff: David Flores

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	AFC pg. 8.10-29 & 30, Table 8.10-1 & 8.10-3	YES	
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	AFC pg. 8.10-8, Section 8.10.1.2.3	YES	
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	AFC pg.8.10-10 & 11 Section 8.10.1.3	YES	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	AFC pg. 8.10-13, Section 8.10.2.2 AFC pg. 8.10-16 through 18, Section 8.10.2.2.2 AFC pg.8.10-19 & 20, Section 8.10.2.3	YES	
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	AFC pg. 8.10-19 & 20, Section 8.10.2.4, Figure 8.10-3 & 4	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC pg.8.10-25 & 26, Section 8.10.5, AFC pg. 8.10.33 Table 8.10-8	YES	

Adequacy Issue: Adequate ☒ Inadequate

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 12, 2000

Technical Area: **Traffic and Transportation**

Project: Potrero Power Plant Unit 7

Technical Staff: David Flores

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC pg. 8.10-27, Section 8.10.7	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg. 8.10-25 & 26, Section 8.10.5	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC pg. 8.10-26 & 27 Section 8.10.6	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC pg. 8.10-27, Section 8.10.7	YES	

Adequacy Issue: Adequate ☒ Inadequate

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 14, 2000

Technical Area: **Trans. Reliability,  
Safety & Health**

Project: Portrero Power Plant Unit 7

Technical Staff: Odomelam, Hesters, Tyler

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: McCuen/Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Page 5-1 Pages 2-21 to 2-23 Appendix C pages 1 to 3	YES	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		Not Applicable	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Pages 2-21 to 2-23. Appendix C Figures 2-10 to 2-12	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 14, 2000

Technical Area: **Trans. Reliability,  
Safety & Health**

Project: Portrero Power Plant Unit 7

Technical Staff: Odomelam, Hesters, Tyler

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: McCuen/Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Pages C-1 to C-3 Page 5-1 Section 9.0, pages 9-10 through 9-13.	YES	
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Pages C-4 and C-5 Section 2.0, pages 2-6, 2-21, through 2-3. Section 5.0, page 5-1	YES	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Section 2.0, pages 2-24, 2-53.	YES	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Section 2.0, page 2-30.	YES	

Adequacy Issue: Adequate ☒ Inadequate

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 14, 2000

Technical Area: **Trans. Reliability,  
Safety & Health**

Project: Portrero Power Plant Unit 7

Technical Staff: Odomelam, Hesters, Tyler

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: McCuen/Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pages 2-23, 2-24 Appendix E3-3.	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Pages 2-23, 2-24 Section 8.0, page 8.7-28, Section 10.0, page 10-20.	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 2-23, 2-24 Section 2.0, page 2-13.	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Not Applicable	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		Not Applicable	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X**DATA ADEQUACY WORKSHEET**Revision No. 0 Date June 12, 2000Technical Area: Visual ResourcesProject: Potrero Power Plant Unit 7Technical Staff: Gary WalkerProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pp.8.11-1 through 8.11-44, Sections 8.11-1 through 8.11-5.	NO	Submittal of information requested in sections (g) (6) (A) (ii) and (g) (6) (D), below will satisfy this requirement.
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Pp.8.11-5 through 8.11-13,. Section 8.11.1.4.	NO	Submittal of information requested in sections (g) (6) (A) (ii) and (g) (6) (D), below will satisfy this requirement.
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figures 8.11-1, 8.11-2, and 8.11-4.	YES	
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Not provided.	NO.	Figure 8.11-provides the heights of existing structures, but the requirement is for elevations (side views) of any existing structures on the site. Please provide elevations, similar to those provided for the proposed structures in Figure 2-3.
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Pp.8.11-5 through 8.11-13, Section 8.11.1.4.	YES	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pp.8.11-7 through 8.11-13, Section 8.11.1.4.2.	YES	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 12, 2000

Technical Area: Visual Resources

Project: Potrero Power Plant Unit 7

Technical Staff: Gary Walker

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Pp.8.11-5 through 8.11-13, Section 8.11.1.4.	YES	
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Pp.2-4, Section 2.2.2.3.2; Figures 2-2 and 2-3; p.8.11-41, Section 8.11-5.	NO	Please specify the material and color of the proposed HRSG stacks.  Please specify the dimensions and color of the single pole angle structures for the 115 kV lines.
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 8.11-5 through 8.11-16.	YES	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pp.8.11-25 through 8.11-33, Sections 8.11.2.3 and 8.11.3.	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.11-1, pp.8.11-46 through 8.11-49.	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 12, 2000

Technical Area: Visual Resources

Project: Potrero Power Plant Unit 7

Technical Staff: Gary Walker

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.11.6, p.8.11-44.	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pp.8.11-35 through 8.11-44, Section 8.11.5.	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	P.8.11-44. Section 8.11.6.	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	P.8.11-44, Section 8.11.7.	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 9, 2000

Technical Area: Waste ManagementProject: Potrero Power Plant Unit 7Technical Staff: Mike RingerProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Greg Newhouse

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	sec. 8.13.2.1.1 sec. 8.13.2.1.2 sec. 8.13.4	YES	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	sec. 4.1 sec. 8.13.4.4	YES	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	sec. 2.2.14.1 sec. 2.2.14.2 sec. 2.2.14.3 sec. 8.13.2.1.1 sec. 8.13.2.1.2 sec. 8.13.4.1 sec. 8.13.4.2 sec. 8.13.4.3 Appendix D	YES	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Appendix M	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 9, 2000

Technical Area: Waste ManagementProject: Potrero Power Plant Unit 7Technical Staff: Mike RingerProject Manager: Marc PryorDocket: 00-AFC-4Technical Senior: Greg Newhouse

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	sec. 8.13.2.1.1 sec. 8.13.2.1.2 Table 2-8 Table 2-18 Table 8.13-3 Appendix D	YES	
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Table 8.13-1	YES	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	sec. 8.13.2.1.1 sec. 8.13.2.1.2 Table 2-8 Table 8.13-3 Appendix D	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.13-4	YES	

Adequacy Issue: Adequate ☒ Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 9, 2000

Technical Area: Waste Management

Project: Potrero Power Plant Unit 7

Technical Staff: Mike Ringer

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Greg Newhouse

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	sec. 8.13.6	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 8.13-4	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	sec. 8.13.6	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	sec. 8.13.7	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 15, 2000

Technical Area: Water Resources

Project: Potrero Power Plant Unit 7

Technical Staff: Joe O'Hagan

Project Manager: Marc Pryor

Docket: 00-AFC-04

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 2-8 to 2-15, 7-1 to 7-4 and 8.14-1 to 8.14-22	NO	<p>Describe the City/County of San Francisco's potable water supply, transmission, and treatment system that will be used by the proposed project. Also describe the City/County of San Francisco's sewage collection, treatment and discharge system that will be utilized by the proposed project. Provide a discussion of potential impacts from the proposed project on both San Francisco's sewage and potable water supply system. The discussion of potential impacts to the sewage system should also address how wastewater discharge from the facility will impact the combined sanitary sewer system and overflow/bypass frequency. Provide a map or diagram indicating where wastewater and stormwater discharges enter the City's system. Provide information on wastewater quality being discharged to the City's sewer system.</p> <p>Provide a map or infrared aerial photo showing the distribution of the existing thermal plume from Unit 3. The plume distribution should reflect a reasonable worse case situation. That is, it should be based upon maximum operating conditions and a flood tide. Provide a map indicating the anticipated extent of the combined thermal plumes from Units 3 and 7. This estimated plume should reflect a reasonable worse case situation, that is, maximum heat loading from both units under different tidal conditions including a flood tide.</p> <p>Provide a discussion of other wastewater discharges into the bay occurring within a mile of the proposed project and the potential for the proposed project to contribute to cumulative water quality impacts.</p>

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date June 15, 2000

Technical Area: Water Resources

Project: Potrero Power Plant Unit 7

Technical Staff: Joe O'Hagan

Project Manager: Marc Pryor

Docket: 00-AFC-04

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:			
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and	Waste Discharge Requirements are not required.	Not Applicable	
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Pages 2-8 to 2-15, 7-1 to 7-4 and 8.14-1 to 8.14-22	NO	Provide water quality information for all wastewater flows being discharge to the bay. This information should be provided with flow information, for all individual wastewater streams as well as the combined discharge.
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:	Pages 8.14-1 to 8.14-4; Figure 8.14-1	YES	
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Pages 8.14-1 to 8.14-2; Appendix M	YES	
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Pages 8.14-2 to 8.14-4	YES	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Page 8.14-20	YES	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:			
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Pages 2-8 to 2-9, 8.14-13 to 8.14-14 and 9-16	YES	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Table 8.14-1	NO	Provide water quality information on the wastewater discharge required above.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  **DATA ADEQUACY WORKSHEET**Revision No.   0   Date   June 15, 2000  Technical Area:   Water Resources  Project:   Potrero Power Plant Unit 7  Technical Staff:   Joe O'Hagan  Project Manager:   Marc Pryor  Docket:   00-AFC-04  Technical Senior:   Jim Brownell  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Pages 2-8 to 2-9; Figure 2-7; Table 2-5	YES	
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Pages 2-8 to 2-14 and 8.14-6 to 8.14-8	NO	Describe all treatment processes and discharge methods for all wastewater streams identified for offsite disposal. As indicated in Water Balance Diagram Figure 2-7, this would include off-line compressor wash water and boiler chemical cleaning system waste stream. In addition, identify how wastewater from the demineralizer processes will be disposed of.
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	See Facility Design		
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	See Facility Design		
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	See Facility Design		
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:			
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Page 8.14-14	NO	Information provided for (g) (1) above will address potential project impacts on City potable water and sewage systems.
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Page 8.14-12 to 8.14-21	YES	
Appendix B (g) (14) (E) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	See Facility Design		



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X**DATA ADEQUACY WORKSHEET**Revision No. 0 Date June 15, 2000Technical Area: Water ResourcesProject: Potrero Power Plant Unit 7Technical Staff: Joe O'HaganProject Manager: Marc PryorDocket: 00-AFC-04Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 8.14-23 to 8.14-27	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 8.14-23 to 8.14-27	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 8.14-23 to 8.14-27	YES	Provide information on alternative cooling water intake structures and technology in order to determine best technology available compliance as required by Section 316(b) of the Clean Water Act. Alternatives considered should include wet cooling towers utilizing tertiary treated effluent and sea water, dry cooling, as well as alternative traveling screen designs, barriers, behavioral approaches, fish return systems, etc.  Provide a more detailed discussion on how the proposed thermal discharge will comply with the thermal plan.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table on page 8.14-27 and 8.14-28	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table on page 8.14-28	NO	Please discuss the Construction Activities Storm Water General Permit and the schedule.

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 12, 2000

Technical Area: **Worker Safety & Fire Protection**

Project: Patrero Poweer Plant Unit7

Technical Staff: Rick Tyler

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.7	YES	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 8.7.4	YES	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Section 8.7.5.2	YES	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:	Section 8.7.3.1		
	Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);	Section 8.7.3.2	YES	
	* Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);	Section 8.7.5.1	YES	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)	Section 8.7.3.2	YES	
	Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);	Section 8.7.3.2	YES	
	* Fire Prevention Plan (8 Cal. Code Regs., § 3221);	Section 8.7.5.2	YES	
	* Emergency Action Plan (8 Cal. Code Regs., § 3220);	Section 8.7.3.3	YES	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).	Section 8.7.3.2	YES	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date June 12, 2000

Technical Area: **Worker Safety & Fire Protection**

Project: Patrero Poweer Plant Unit7

Technical Staff: Rick Tyler

Project Manager: Marc Pryor

Docket: 00-AFC-4

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.7-6	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.7-6	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.7	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 8.7.7	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.7.8	YES	

## ATTACHMENT C

### COMMENTS OF THE CITY AND COUNTY OF SAN FRANCISCO REGARDING DATA ADEQUACY OF THE POTRERO POWER PLANT AFC

Section	Page #	Comment
General		Throughout the document, existing environmental contamination, planned remediation activities, and their effects on construction and health and safety are not adequately considered. Construction and remediation activities must be coordinated to minimize potential impacts and ensure that both can be implemented successfully. A discussion of the nature and schedule of proposed remediation, and applicable regulatory requirements (i.e. agency orders, cleanup standards) should be included.
All		Project design schedules including important milestone dates for issue of design documents need to be provided to City as part of application certification. This will permit City review of the documents
All		A general statement indicating that the proposed facility shall be designed, constructed and operated in accordance with applicable National, State and local codes should be included as part of the application.
All		A general statement covering the demolition of existing equipment and disposal of existing facility materials per applicable National, State and city codes should be included in the application.
All		The applicant is required to clarify in detail the effects of project construction on neighborhood areas.
General	All	The decision to separate the construction of a new Unit 7 from the planned retrofit of Unit 3 should be fully explained. As described, the current project includes substantial improvements to Unit 3 (i.e. joint water intake/discharge and ammonia storage with Unit 7), but does not include the retrofit. What is the basis of this decision?
General	All	Throughout the materials presented, the total potential impacts associated with Southern's operations are not described or quantified. In each topic area, a cumulative assessment should be presented which describes the project impacts when combined with impacts (e.g. air emissions, hazardous materials, etc.) associated with existing operations at the Potrero Plant.
1.0		The executive summary should reference sections within the document that provide further discussion and detail of its content.
1	1-1	Please provide a full discussion/description of PP Generation and Operation. The application should describe the full project (New construction plus revisions to old plant). See Page 2-1 for a start.
1	1-2	Will the 180 foot stack be new or existing?
1	1-4	The AFC refers to the project as "expansion of the Potrero PP" that utilizes "existing Potrero PP systems." The AFC should clearly identify which project components are new, modified or existing.

Section	Page #	Comment
1.3	1-2	<p>This section states that the circulating water requirement for the proposed unit is estimated to be 158,000 gallons per minute (gpm) or 228 million gallons per day (mgd). Please clarify that this volume is solely for Unit 7.</p> <p>The individual and combined circulating water requirements for Unit 3 (existing condition at 158,000 gpm) and Unit 7 (proposed at 157,000 gpm) should be discussed in this section. The combined volume of circulating water is double of existing. How will this affect the ecological system, specifically the bay? Will this volume of flow cause any increase in the water's pH, temperature, and turbidity?</p> <p>As a result of the additional flow, the need for a new National Pollution Discharge Elimination System (NPDES) permit (stated in Section 8.14.2.2.3) should be discussed in this section.</p>
1.3	1-2	Discuss the impact of the additional discharge flow with respect to the existing NPDES requirements and what new requirements, if any, it may cause. What measures have been taken to exceed NPDES requirements? What measures have been taken or alternatives explored to ensure that there will be no net increase of water pollution?
1.5	1-3	The schedule provided on Figure 1-4 is only for the construction of the project. The schedule provides a nominal duration of 24-months and an operational start date by the summer of 2003. This suggests that a period of 12-months has been provided for permitting, agency review, and public notice and comment. Please identify and discuss the permits that will be procured for this project. These activities, as well as other mobilization and lead items, should be provided in a separate schedule or included as part of the construction schedule.
1.5	1-3	The schedule provided should differentiate between the general work to be performed for existing Unit 3 and proposed Unit 7. Is Unit 3 proposed to be shutdown, demolished, and replaced? Or is Unit 3 proposed to be upgraded?
1.5	1-3	The construction schedule does not identify activities related to any site remediation. Please discuss how this will be accounted for during construction.
1.5	1-3	A list of major and ancillary equipment should be provided with the construction schedule. The schedule should also identify those equipment items that have a substantial amount of lead-time to procure.
1.5	1-3	A list identifying building materials, supplies, and equipment that use recycled materials and the percentage of recycled material used should be provided. A program for recycling and waste minimization should be prepared for the site.
1.1	p. 1.1	<p><i>"...located in a waterfront industrial area..."</i></p> <p>This area is currently undergoing intensive long-range planning for new neighborhood and business district area development by the City Planning Department. This factor needs to be accounted for and integrated with entirety of analysis.</p>

Section	Page #	Comment
1.7	p. 1-4	<i>"Alternative Generation Technologies"</i> What was criteria/process of deliberation that caused these technologies not to be selected and/or brought into long-range planning for energy creation?
1.8	p. 1-6	<i>"Land Use/Socioeconomics"</i> "...site located in a predominantly industrial area." This site is adjacent to large area currently being planned for long-range development by City Planning Department (Central Waterfront and Mission Bay). Where is this being accounted for? Are there other areas adjacent where PG&E would be liable for remediation?
2	p. 2-21	Provide other examples in California where two busses in the same Substation serve different purposes and can not be parallel.
2	p. 2-24	Conflicting statements on criteria are contained in the document. Please clarify.
2	p. 2-29	Please expand on the problems with HPGF/HPFF type cables. Provide examples of the problems you discuss. Do these problems get worse as the cables age?
2.2	2-1 et seq.	Describe rationale for limiting the project to new construction, and excluding retrofitting of the existing units at the Potrero Power Plant.
2.2.1 and 2.2.14.1	2-2	Site clearance activities should be fully described. What buildings and facilities would be removed, and what impacts would their removal have? What is the rationale (if any) for separating these activities from the proposed project?
2.2.1	2-2	Describe areas where property not belonging to the project proponent will be affected, including the Bay, Port property, City streets and sidewalks, etc.
2.2.5.1	2-7	Describe basis for conclusion that Hunters Point Power Station will cease operation when the Potrero Unit 7 becomes operational. Is closure of the Hunters Point plant proposed as part of this project or as a project condition?
2.2.8.2.2	2-13	Can waste water discharged to the City's combined sewer system be minimized or eliminated during large storm events, when there is the potential for overflows?
2.3.1	P. 2-33	Please describe precautionary measures and standards related to the storage of aqueous ammonia on site.
2.2.4	2-5	This section should include a discussion and a projected schedule for limiting system downtime in the process of connecting electrical, gas, and water utilities.
2.2.4	2-5	The electrical output from Unit 7 is proposed to interconnect to both PG&E's Potrero and Hunter's Point substations for distribution. Is it possible to consolidate these functions into a single site? As an example, is it possible to consolidate it at Potrero to remove the existing substation at Hunter's Point after the shutdown of the Hunter's Point Power Plant?
2.2.6.1	2-9	Is there a reliability issue associated to the supply of demineralized water that is currently supplied by an outside vendor? Is reclaimed or recycled water used for this process? Is it possible to use reclaimed or recycled water? Why are the catalyst beds regenerated and maintained offsite? What are the environmental issues or liabilities associated with transportation of spent beds?

Section	Page #	Comment
2.2.9.2	2-14	Do the secondary containment storage areas for the ammonia tanks have a leak monitoring and notification system? Is there a lining system proposed for the storage areas? Is there a leak-detection and notification system proposed?
2.2.9.2	2-14	Was a closed system such as double-walled tanks with interstitial leak-detection systems considered for the storage of ammonia?
2.2.9.2, 8.12.2.2.3	2-14, 8.12-12	Were four 10,000 gallon tanks considered, instead of two 20,000 gallon, to reduce the size of the containment area and the total volume of a potential spill? Is there an emergency response program in place to mitigate a potential spill?
2.2.9.3	2-15	Were there other types of reagents considered to reduce nitrous oxide emissions? The application proposes the use of Best Available Technology (BACT) for emissions control, but is there any other technology available that could provide better results and exceed BACT?
2.0	p. 2-1	Application does not thoroughly identify all existing buildings and structures (i.e. tanks) on the project site and their proposed uses after project construction. Identify surplus buildings and structures and plans for demolition.
2.0	p. 2-1	Identify existing oil pipeline from Pier 70 to the project site and the future need for the pipeline.
2.0	p. 2-1	The Port of San Francisco holds access rights through the project site on Humboldt and along 23 <sup>rd</sup> Street. The AFC should discuss whether project construction will interfere with these access rights.
2.0	p. 2-1	Identify potential impact of outtake line on shipping channels and anchoring.
2.0	p. 2-1	Identify existing public access opportunities to the Bay in the vicinity, and the project impacts/changes to existing and future public access opportunities.
2	7	Does the limitation of the natural gas supply pipeline imply that the PG&E Hunters Point Power Station or existing Potrero Units (?) must cease operation prior to Unit 7 operating?
2	10	Discuss measures to be taken if an oil spill or other contaminant contaminates cooling water.
2	10	Discuss if battery charging will be going on and how potential flammable gases generated during the battery charging will be controlled.
2	15	Discuss what other measures besides the proposed passive control measures will be utilized to mitigate a major spill of the aqueous ammonia. Will power plant staff be utilized to mitigate spills of aqueous ammonia?
2.2.8.2.2	p. 2-13	Provide details of how equipment washwater will be collected for offsite disposal.
2.2.9.3	p. 2-16	Explain how minor spills of ammonia and stormwater runoff will be removed and disposed from the covered sump under the aqueous ammonia storage tanks. Also provide details of proposed emergency response procedures in the event of a tank failure.
2.213		An aesthetic study specifying the effects of use of 2399 MCM bundled conductors and modifications to existing transmission towers should be submitted to City for review and approval.

Section	Page #	Comment
2.2		Explain plans for City review and approval of proposed underground transmission cable routing crossing at Islais Creek Channel; prior to final design and construction.
2.2.1		Application should state that extra wear and tear on existing surrounding streets caused during construction be repaired and restored per DPW standards
2.2.1		Explain plans for the upgraded site and facilities to provide for compliance with ADA disabled access.
2.1	2-1	<i>"...the new unit is to be constructed <u>wholly within site</u> of the existing Potrero PP."</i> This is not the case; interconnection construction is a major off-site construction effort influencing public infrastructure, redevelopment and long-range city planning activities, including land use and economic development.
2.2.5.1	2-7	<i>"Since Hunters Point will be taken out of service when Potrero Unit 7 becomes operational, pipeline capacity will be sufficient."</i> Not enough information about existing gas pipeline infrastructure. More calculations are needed including what source(s), alternatives, locations, size of line(s), drawing power, junctions.
2.2.7.1	2-11	<i>"...design flow of Potrero Unit 7's circulating cooling ater system..."</i> What is flow back out after the two passes?
2.2.8	2-12	What are identified routes for waste transport? This is relevant for other aspects of construction impact mitigation.
2.2.9	2-12 thru 2-16	<u>Where is Risk Management Program?</u> What trucking route(s) are identified for transport (and need for restricted routing, especially with aqueous ammonia tankers)? Accidental release issue needs clarification; i.e., on-site or en-route. If off-site, who is responsible for management other than city resources and/or state highway patrol? In both cases, has an evacuation plan been determined? Whose responsibility is it?
2.2.12.2	2-20/21	What was method used to determine whether there are or are not significant impacts caused by lighting -- including exterior glare or excessive night illumination impacts on neighborhoods and waterfront areas that would otherwise be mitigated by shielding, etc?
2.2.13.2	2-22	"Preliminary Interconnection Study" ... identifying transmission system modifications required to connect with PG&E's transmission and distribution system. How was it determined that interconnection to the electrical grid should be as shown (off-site to Hunters Point) and constructed along this route without integrating the City's long-range plans or PG&E's forthcoming "Detailed Facilities Study" due end of this year? According to text, there have only been preliminary discussions; the substation relocation has not and must be addressed. Was interconnection to the Martin substation studied?
2.2.13.4	2-24	What are the real or potential impacts of the EMF fields associated with the underground cable route through Bayview Hunters Point? Industrial land use controls within the Redevelopment Agency Project Area are being amended to include high tech business, and the Survey Area surrounding and adjacent are projected to include major pedestrian-oriented development along Jennings and Evans (tying into the Muni Third Street Light Rail project due for completion in 2004).



Section	Page #	Comment
2.2.14	2-25	Mandatory removal and mitigation or disposal of hazardous waste should be part of all construction related to this project, not only "on-site."
2.2.14.4	2-28 thru 2-33	Specific issues addressing transmission line route: The Application assumes, without adequate discussion, permanence of Hunters Point substation in its present location and/or without significant modifications or mitigations (aesthetic or otherwise); better description of permanent impacts on Islais Creek is also needed (given rehabilitation and restoration projects many regional, city, and community-based organizations are undertaking).
		An alternative route from Cargo Way south, on Port property and avoiding Jennings and Evans, should be analyzed. At the least, a matrix of route alternatives, with a clearly defined criteria of ranking impacts for each alternative given long-range planning and redevelopment, coupled with clear analysis is needed.
2.2.14	2-25	Mandatory removal and mitigation or disposal of hazardous waste should be part of all construction related to this project, not only "on-site."
3.2	3.1	What would be the efficiency of smaller sized power plants? Have other organizations studied the option of having a smaller plant with an aggressive commercial energy efficiency/load reduction program?
3.2	3-5	What environmental benefits relative to transmission does the proposed plant provide?
3.2	3-7	Provide the criteria for reliability (as described in T-133) and how the proposed plant meets that criteria.
3.2	3-7	Provide information on the impact on reliability of a generation plant at SF International Airport.
8.1	8.1-3	Why was 1992 data used to assess pollutant transport? Is data from later years available? If it is, why shouldn't it be used? PO – 92 was a cold year. Should a hot summer (like 97 or 98) be used?
8.1.1.2	8.1-3	The Bayview Hunters Point neighborhood, to the south of the project site, experiences disproportionately poor health conditions, and there is substantial community concern regarding the perceived relationship to particulate emissions. In light of these conditions and concerns, the discussion of existing air quality should be substantially enhanced to include a full emissions inventory.
8.1.2.5	8.1-16	Describe the basis of conclusions that "minimal" deposition will occur. Will the new plant contribute to cumulative deposition impacts when combined with existing operations?
8.1.3	8.1-17	The City and the Port are contemplating substantial development in the site vicinity. Describe the relevance in terms of cumulative emissions and introduction of additional receptors. Describe combined emissions of the existing Potrero Power Plant and the proposed power plant -- will the CAAQS or NAAQS be exceeded by Southern Energy's facility?
8.1	8.1-13	The discussion of air impacts does not adequately address potential localized, short-term impacts on Potrero Hill, or how emissions might impact regional non-attainment of status for ozone and PM <sub>10</sub> .
8.1	8.1-34	Fugitive dust control measures should be expanded to include, at a minimum, the air quality mitigation measures in the Waterfront Land Use Plan EIR.

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8.1	3	How is the decision to use Arkansas Street monitor data reconciled with the plant's regional contribution to criteria air pollutants <u>and</u> the regional non-attainment status for PM and ozone?
8.1	14	From which geographic area will the emission offsets be taken? Regionally or locally?
8.1	18	Explain why Emission Reduction Credit Certificates for sulfur dioxide can be used for offsetting PM <sub>10</sub> generation.
8.1	30	Provide more information if available on where the SCONOx system for nitrous oxide and carbon monoxide control have been used successfully.
8.1	31	Explain, if the SCONOx system is not cost effective: Have the costs and likelihood of an accidental release of ammonia during transportation, delivery and storage been taken into account as a factor in selecting the SCR system over the SCONOx system?
8.1	33	If the SCONOx system was selected, would any additional systems be needed for Carbon monoxide control? If a single would the calculus for selecting the SCR system over the SCONOx system be change?
8.1	34	Discuss what measures will be taken to ensure that fugitive dust emissions during the construction work and off-site trenching are controlled. Who will ensure compliance with these measures?
8.2.1.1	8.2-2	Warm Water Cove and Bayview Hill are two additional public open spaces within proximity to the site, and Bayview Hill is known to have significant natural plant communities.
8.2.2.2.1	8.2-11	If construction activities occur within the spawning season of the Pacific herring, a qualified biologist should be retained to determine if herring are located within or adjacent to the construction zone. If herring are present, construction activities that may affect this species should be delayed or controlled to prevent impacts.
8.2.2.2.1	8.2-13	Intake flows presented for Unit 7 are not consistent with Table 2-6. Based on data in Table 2-6, the total intake of cooling water would double, from 157,000 gpm to 315,000 gpm. Using the figure presented on p. 8.2-13, the increase would be even greater. Describe the rationale for concluding that impingement losses would be "less than significant" despite this dramatic increase in flows.
8.2.2.2.1	8.2-14	Entrainment losses would also appear significant, despite the off-setting effects of reducing the mesh size to avoid entrainment of the largest organisms.
8.3	8.3-1 et seq.	Describe potential for marine resources -- or resources within the intertidal area -- given the site proximity to historic shipyards.
8.3	8.3-1 et seq.	Describe the buildings proposed for demolition on the site, and their historic significance, either as individual resources, or as part of an historic district.
8.3	8.3-1 et seq.	Describe the potential for construction impacts or the presence of a new modern power plant to affect the significance of the adjacent National Register Historic District at Pier 70.
8.3	8.3-1	Identify the historic significance of any structures that are proposed for demolition. Identify how the design of the new structures will relate to the potential historic districts in the vicinity (i.e. Pier 70 and the Dogpatch neighborhood).

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8.4.1.1.2 et seq.	8.4-3 et seq.	Substantial additional work is necessary to investigate zoning and development trends in the project vicinity. Regarding development on Port property, see the Notice of Preparation for the Supplemental EIR about the Southern Waterfront (contact Lezley Buford at the San Francisco Planning Department or Diane Oshima at the Port of San Francisco). Regarding the "Better Neighborhoods 2002" planning effort, contact David Alumbaugh at the San Francisco Planning Department. Regarding potential development and "catalyst sites" within the Bayview Hunters Point Redevelopment Survey Area, contact Stan Muraoka at the San Francisco Redevelopment Agency.
8.4.1.1.2 et seq.	8.4-3 et seq.	Substantial effort should be directed towards getting an accurate picture of proposed and approved projects in the site vicinity, which include proposed residential uses on Third and Illinois Streets. San Francisco Department of Building Inspection records should be consulted, as well as the data base of recent applications at the San Francisco Planning Department. The estimate of 155 projects over 18 months for all of San Francisco seems woefully inaccurate. Also, "Discretionary Review" has a specific meaning in San Francisco. While all permits (except mechanical and electrical permits) in San Francisco are discretionary, in the sense that they require a discretionary decision, the Planning Department does not require "Discretionary Review" of all projects.
8.4.1.2.2	8.4-5	Any assessment of "consistency" with the San Francisco Planning Code should describe and consider the Priority Policies contained in Section 101.1.
8.4.1.2.3	8.4-6	Ownership patterns should discuss the issue of the Public Trust. Also, indicate which streets and sidewalks are in City ownership.
8.4.1.3.1-3	8.4-6	Describe the applicability of the CZMA, relevant plans and policies adopted by BCDC, and policies and standards relevant to the RWQCB's review. San Francisco's land use policy document is called the "San Francisco General Plan" and contains well in excess of nine elements. Encroachment permits require a finding (by the Planning Department) of conformity with the General Plan before issuance by the San Francisco Department of Public Works.
8.4.2.1.1-2	8.4-6	Describe how interference with adjacent land uses will be "minimized" during construction. How will the use and enjoyment of the public open space area adjacent to the site be maintained? How will access to all businesses along the transition cable route be maintained?
8.4.2.2	8.4-10	Compatibility with existing and proposed land uses should be re-assessed after additional data collection about development plans and proposals.
8.4.2.4	8.4-11 et seq.	Explain inconsistencies with the "port priority use" designation in BCDC's planning documents and with BCDC requirements for maximum public access to the Bay.
8.4.2.4	8.4-13	Please consult with the authors of the "San Francisco Central Waterfront Community Land Use Report" before concluding that a new power plant would be "compatible" with that effort.
8.4.4	8.4-13	The intent and efficacy of the suggested mitigation measure is unclear.

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8.4.7	8.4-15	Please identify demolition and building permits required, as well as any approvals required from the RWQCB, the San Francisco Port Commission and SF Board of Supervisors (e.g. for a lease of Port Property), and the State Lands Commission.
Table 8.4-4	p. 8.4-20	The San Francisco General Plan contains a substantial number of policies and objectives, many of which may be relevant to the proposed project. When considering any application for an encroachment permit or any proposed lease agreement, the Planning Department will consider whether, on balance, the proposed action is consistent with the General Plan.
8.4	8.4-1	Land use section states that site is surrounded by industrial uses, however proposed uses in the area include office and residential projects. The Port of San Francisco is analyzing development alternatives for mixed-use projects in its Pier 70 Opportunity Area and Western Pacific Opportunity Area in the immediate project vicinity. Detail impacts of the project on these potential non-industrial uses. Detail views of the project from these sites.
8.4	8.4-1	Identify proposed uses for vacant PG&E owned parcels along Illinois Street north of the existing and proposed transmission facilities. Identify project's impact on these proposed uses.
8.5.1.1	8.5-1	See land use comments -- substantial work is needed to verify recent and proposed developments of noise sensitive receptors in the project area.
8.5.2.1.1	8.5-5	Please acknowledge that pile driving will be required, and describe the number and depth of piles and/or the duration of pile driving activities. Describe how these activities would not affect the use and enjoyment of adjacent public open space.
8.5.2.2.1	8.5-5	Describe increases in noise levels at all receptors identified, not just those (M-1 and M-4) furthest from the site.
8.5.3	8.5-7	Consideration of cumulative impacts should take into account the construction materials and processing activities proposed for location at Piers 90-96 and vicinity.
8.5.5	8.5-7	Confirm the characterization of the FTA's noise criteria. The FTA has updated and modified their assessment methodology and criteria substantially since 1979. In general, application of the new methodology/criteria can result in a significant noise impact even when the incremental increase in noise is small, if the noise environment is already quite loud. If the reference is to the FHWA's methodology and criteria, consider their applicability in a non-highway setting. Land Use Compatibility Guidelines are a State requirement, and are contained in the San Francisco General Plan. These Guidelines should be discussed, and the potential for the project to increase any existing incompatibilities should be evaluated.
8.5	8.5-11	Were the sound level measurements provided in Table 8.5-2 representative of the plant's peak annual operation? Measurements should be collected at different times of the year to account for seasonal changes in the atmosphere that may contribute to sound deadening, amplification, and propagation. Humidity measurements should be included during data collection.

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8.6	6	PM <sub>10</sub> has been shown to have a linear relation with cardio-respiratory mortality at level <i>under</i> State AAQS. Why is a consideration of the effect of PM <sub>10</sub> on health not included in section 8.6. especially as the modeled concentrations and epidemiological studies provide necessary input to assess such health effects? Discuss or estimate on the basis of the relevant epidemiological literature, the effect of local modeled changes in PM <sub>10</sub> in the residential neighborhoods shown in the 24 hour Concentration Course Grid. Discuss whether these would be considered significant effects.
8.7	8	Discuss the siting of a hazardous waste storage facility within the power plant.
8.7	8.7-4	The analysis of potential exposure to existing contamination is inadequate. This section defers to the SMIP, which does not adequately address potential hazards or fully evaluate coordination of remediation and construction activities.
8.8.1.1	8.8-3	Population and socioeconomic data from 1990 is substantially out of date.
8.8.3.2	8.8-20	The EJ discussion should consider whether even non-significant increases in air emissions and changes to public health indices would disproportionately affect minority populations in the Bayview Hunters Point neighborhood, since residents of this area already experience a disproportionate health burden, and the neighborhood contains other sources of air emissions.
8.8.3	8-22	What are the regulatory “standards of significance” for changes to air quality values and health indices? Discuss what measures have been taken to exceed air emission regulations? What measures have been taken or alternatives explored to ensure that there will be no net increase of air emissions?
8.10.1.2.2 & 3	8.10-3 et seq.	Reconfiguration of Third Street will occur as part of the MUNI Third Street Light Rail Project, and will result in a reduction of capacity on Third Street (from three lanes to two lanes in each direction), a loss of on-street parking, and changes in transit service and bicycle access. A light rail turnaround will be located on 18th, Illinois, and 19th Streets. Infrequent (but active) freight rail service is currently provided to Port properties north of the site via tracks within the Mission Bay area. These tracks are proposed for relocation as part of the Port’s Southern Waterfront project, which would construct a new rail bridge over Islais Creek. This bridge would also provide truck access between Port facilities on either side of the Creek, reducing traffic volumes on Third Street and increasing them on Illinois. The Bay Trail is proposed to traverse the project vicinity. Please update the description of existing and proposed transportation facilities.
8.10	P. 8.10-5	Top paragraph: The report says “Illinois Street provides ample space for two lanes of traffic.” This should be clarified to “one lane of traffic in each direction.” The report should indicate that Illinois Street is part of the Bay Trail system. It is also one of the access and egress routes to and from Pacific Bell Park.
8.10	P.8.10-5	3 <sup>rd</sup> paragraph: The report should indicate that there is perpendicular parking on parts of Illinois Street.

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8.10	P. 8.10-10	4 <sup>th</sup> paragraph: The report states that Third Street Light Rail Project will reduce the roadway to only two travel lanes. This should be clarified to "two lanes in each direction."
8.10	P. 8.10-13	Top paragraph: The report does not identify the dates when the peak-hour traffic counts were made at the intersections analyzed.
8.10	P. 8.10-14	Describe how the trip generation estimates were developed. Will the facility generate any trips not associated with the 10 additional employees, such as delivery or service vehicles?  P. 8.10-14, 2 <sup>nd</sup> paragraph: What "similar projects at comparable facilities" were the trip generation rates based upon?
8.10.2.2.1	8.10-15	Impacts should be assessed assuming changes to the transportation network described above.
8.10.2.2.2	8.10-17	Conclusions based on current volumes of traffic (characterized as "relatively low," "moderately high," etc.) should take into account substantial increases in activity on Port property anticipated within the time line of construction. Disruption in access to Port properties as a result of the project would be unacceptable, and methods to avoid such disruption should be described. Methods to avoid disruption of MUNI service (characterized as "minimal") should also be described.
8.10.2.4	8.10-19	Please describe how incoming traffic (e.g. a mmonia trucks) will avoid conflicts with MUNI operations once the Third Street Light Rail is complete. Also describe how conflicts will be avoided with trucks accessing Port facilities.
8.10.4.1.2	8.10-21	All traffic disruptions and suggested detours should be coordinated with the City's Department of Parking and Traffic and the MUNI, as well as DPW. Obstructing access to properties adjacent to the transmission cable route should be avoided; avoidance methods should be described.
Table 8.10-2	8.10-29	The methodology for calculating accident rates should be described, as well as the implications of these rates on the transport of hazardous materials.
Table 8.10-3	8.10-30	See above: truck traffic as a percentage of total traffic is projected to change as a result of the Southern Waterfront project, and other developments in the vicinity. Similarly, the LOS at area intersections (Table 8.10-6) is projected to degrade substantially due to a loss of roadway capacity on Third Street, and an increase in traffic generated by planned development. Many of these changes (loss of capacity and planned development) will occur in the time frame of this construction project.
8.11.1 & 2	8.11-10 et seq.	Warm Water Cove provides an important area for public access to the Bay, and potential visual impacts on this area should be evaluated fully. Visual impacts should also be considered from the National Register Historic District adjacent to the site at Pier 70.
8.11.1.4.3	8.11-19	The Bay Trail alignment and status should be discussed.
8.11.2	8.11-25	Please provide an assessment of potential shadow impacts on public open spaces pursuant to Planning Code Section 295.
8.11.4	8.11-33	Please describe the basis for concluding that "the project will meet or exceed the applicable City and County of San Francisco Design Guidelines." Which guidelines are being referred to? General Plan policies cited are not design "guidelines" but statement of policies and objectives that will be evaluated by the Planning Department.

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8.11.3	8.11-32 thru 8.11-33	Impacts should be expanded beyond visual where the Mission Bay and Bayview Hunters Point Redevelopment Area Plans are concerned. Also, the Central Waterfront long-range plan being worked on by the City Planning Department should be noted here.
8.11.6	8.11-44	Note: Add Jasper Rubin to the City Planning Department, coordinator for the Central Waterfront planning effort.  --- Note: At the Redevelopment Agency, Byron Rhett is Project Manager and add Stan Muraoka, Senior Planner in charge of both Mission Bay and Bayview Hunters Point.
8.12		In addition to an NPDES permit, the project will likely require a City sewage discharge permit. What pre-treatment of discharges to the sewer system will the project include to meet the requirements of the City permit?
8.12.2.2.3, 2.2.9.2,	8.12-12, 2-14	Were four 10,000 gallon tanks considered, instead of two 20,000 gallon, to reduce the size of the containment area and the total volume of a potential spill, increasing the distribution manifold?
8.12.3	8.12-17	Is there sufficient distance between the location of the ammonia storage area and adjacent buildings, in the advent of a fire? Are there overhead lines or other potential combustible source in the proximity of the ammonia storage area?
8.12		In addition to ammonia safety program, what storage and containment strategies will the project use for hypochlorite and other bulk chemicals?
8.12	8.12-1	The application does not analyze hazardous materials in the intertidal strip which the new outfall structure would cross. Also, with a new 700 ft. submerged pipeline hazardous materials in the Bay sediment should be studied.
8.12	8.12-3	Not clear in analysis whether proposed project would interfere with PG&E remediation program since PG&E has not finished its investigation.
8.12	8.12-3 - 8.12-4	It is unclear whether the inventory of hazardous materials includes asbestos, lead-based paint and PCBs.
8.12	8.12-6	Hazardous materials management during construction should include potential exposure to contaminated soil and groundwater, on-site and off-site soil management, contingency plans for encountering unanticipated contamination, and provisions for coordination with remediation activities.
8.12	8.12-8	Discussion of solvent and wastewater disposal should clarify how it will be "disposed in an appropriate manner".
8.12	11	The Short Term Public Emergency Limit of 75 ppm ammonia can be a significant exposure and cause significant discomfort to the general public. Are there more stringent public limits for ammonia and why aren't they used for modeling?
8.12	13	Besides the Screen 3 modeling program, were any other plume model programs used for an ammonia release? The affected areas from an ammonia release seem very small when modeled with the Screen3 program. The area of the drains was used to determine the plume models, but ammonia would also be released from the area spilling on the containment areas and the holes from the tank or vehicle. Why aren't these areas also included?

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8.12	8.12-1	Comment that release is unlikely is optimistic as seismic activity is a risk as at least part of the site may be on fill. There is not enough data to conclude that risk release is unlikely.
8.12	8.12-3	Does the project expect the underground cable construction to trigger the City's "Maher Ordinance"? (Triggered by digging up +50 cu yards of historic bay fill.) If so, will the project comply with the ordinance? How will it do so?
8.12	8.12-6	There is not enough information given as to how contractors will assume responsibility for hazardous waste generation and release prevention during construction activities.
8.12	8.12-6	There is not enough information given as to how contractors building new cable transmission route will provide adequate controls for excavated materials in fill areas.
8.12	8.12-11	There is not enough data to conclude that future or proposed development of the Pier 80 by the Port has been included in analysis of potential receptors.
8.12	8.12-18	LORS comments do not include mention of City PUC sewer discharge permitting regulations.
8.12	8.12-33	Worst case wind speed of 1m/s seems low for area. Please state the source of this assumption.
8.12	8.12-34	Applicable LORS table also lacks mention of PUC sewer pretreatment ordinance.
8.13	8.13-9	It is unclear whether evaluation of construction waste considers the potential for soil and groundwater to be classified as hazardous waste. Additional discussion of on-site management and off-site disposal of hazardous waste generated by construction is warranted.
8.14.2.24	8.14-14	Discuss how the objectives of the Basin and Thermal Plan are proposed to be achieved. Given the large amount of water required for circulation, has there been a study conducted to assess the impact on the ecosystem?
8.14.1.2.8	8.14-16	Circulating Cooling Water, states that the existing system currently uses 226 mgd of "once through" cooling water. Please clarify that that this volume of water is discharged solely from Unit 3. Please discuss if there has been any study on how to reuse cooling water other than discharging it back into the San Francisco Bay?
8.14	8.14-6 - 8.14-8	Discussion of wastewater discharge should include consideration of how discharge would impact the combined sanitary sewer system capacity and overflow/bypass frequency.
8.14	8.14-12	Discussion of groundwater dewatering does not adequately consider existing groundwater contamination and the potential effects of dewatering on contaminant distribution and remediation.
8.14	8.14-2	It is unclear how the project expects to achieve a net improvement in water quality. This section should consider how construction of the intake/outfall structure will avoid impact to the existing subsurface topography, and hydrocarbon plume stability and remediation.
8.14	8.14-15	Discussion of wastewater or storm water discharge to the sewer system should consider sewer system capacity and potential impact on overflow/bypass frequency.
8.14.1.2.8	p. 8.14-6	Provide a diagram showing the locations where industrial wastewater and stormwater discharges enter the City's sewerage system.



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8.14.5.3	p 8.14-26	The following regulations, administered by the City and County of San Francisco should be included in this section: 40 CFR Part 423 - Limits the discharge of pollutants into public owned treatment works by existing and new sources of steam electric power plants. Chapter X (Public Works Code) of Part II of the San Francisco Municipal Code, Article 4.1 – Prevents the discharge of pollutants into the sewerage system that would obstruct, interfere with, or pass through the system.
8.14.7.1	p 8.14-29	This section should indicate that a new Industrial Wastewater Discharger (Class I) permit will be required.
8.15	8.15.15.3	The application indicates that the site soils may be subject to liquefaction and/or settlement during strong ground shaking. The design of connections of utilities to the structures should take this into consideration and allow for relative movement.
9	9-3	Title 20, California Code of Regulations, Appendix B, requires that the Application contain a discussion of the range of reasonable alternatives to the project, and an evaluation of the comparative merits of the alternatives. At a minimum, the Application should contain a discussion of the following transmission alternatives, with a complete evaluation of the comparative merits of each alternative: 1) The project as proposed (with retirement of Hunters Point Power Plant), 2) The project as proposed (with retirement of Hunters Point and retirement of existing units at Potrero Power Plant), 3) No generation within the City of San Francisco, 4) Two new 540 MW units at Potrero (with retirement of Hunters Point Power Plant and existing units at Potrero Power Plant). This discussion of alternatives should assume a level of transmission sufficient to serve projected City load in 2009 under each of the aforementioned generating assumptions.
9	9-14	The discussion of distributed generation as an alternative to the project is inadequate. At a minimum, the Application should provide a detailed evaluation of the number of potential distributed generation sites, total potential generation (MW) and a estimate of the timeframe for deployment of this resource. As required by Appendix B, the discussion must include an evaluation of the engineering, economic and environmental merits of this alternative.
9	9-14	The application should evaluate demand-side management measures as an alternative to the project. The application should address whether distributed generation in combination with demand-side management measures are a reasonable alternative to the project.
9	p.9-5	The discussion of the No Project alternative states that if Unit 7 is not built and Hunter Point is shut down, at least two new transmission links must be made into San Francisco. The Application should more fully describe the comparative merits of this Alternative in terms of cost, environmental impacts, rate impacts and reliability.
9	p.9.12	Develop load pattern (alternative distribution expansion scenarios) that minimize the need to reinforce the 115 kV cable network under the alternative interconnection alternatives studied in Appendix C.

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9	p. 9.15	Please discuss the reliability of electric service to San Francisco and the Bay Area under curtailment of gas supply due to bulk supply or transportation deficiencies. Discuss the exposure to gas supply disruption during severe earthquakes. Compare the earthquake criteria used for the existing Potrero plant, the proposed plant, the existing electric system serving the City, and the existing gas system serving the City.
9	P 9.18	Rather than assume each of the alternative sites would provide interconnections at 115kV at HP and Potrero, the AFC should develop and provide the best interconnection for each site.
9	9.1	The alternatives analysis is inadequate to support rejection of the wet cooling tower alternative. The proposed project would double thermal water discharge. A new analysis should be required to determine if the wet cooling tower alternative was necessary to mitigate significant impacts of Bay discharge.
App. A	Page 5	Was the impact of the congestion pricing model of the ISO accounted for in the pricing model? If so, how? If not, why not?
App. A	Page 8	Please provide details on the costs to support the SFOC. Do they include RMR costs? How will it change under the proposal to make San Francisco an active zone?
App. A	Page 11	Please provide more details on the age of the generation in the Bay Area and why they will experience "growing levels of derating, reduced availability, and selective retirement." Do these comments apply to the existing Potrero units?
App. A	Page 12	Please explain why FERC may determine that "HPPP will continue to be needed...."?
App. A	Page 13	Does the economic modeling show the economic impact of alternatives to electric consumers in the City? Does it account for RMR and other locational reliability (such as OOM payments) costs? Please provide comparative studies for all the alternatives assuming San Francisco becomes an active zone as proposed.
App. A	Page 13	Provide reasons or market power analysis, which justifies the assumption of "an economically efficient market". Describe the incremental effect on market power for each of the alternatives.
App. A	p.24	Please comment on the feasible termination at Potrero if the proposed project is built and the Trans Bay line is added. How would that change if the existing Plant were retired?
App. A	p. 25	Please calculate total ratepayer costs for each of the alternatives. Develop the impact of making SF an active zone using at least two of the likely market power mitigation schemes.
App C	C-2	Please provide proposed configuration when Units 3-6 are retired.
App C	C-2	What would be the proposed interconnection if the HP switchyard were removed?
App. D	34	Project constraints and control measures must include thorough evaluation of effects of excavation, dewatering and construction on existing contaminant distribution and remediation activities. Stated plans to work carefully to avoid disturbance of contaminant plumes is insufficient.